

1 **What is claimed is:**

2 1. A three-dimensional engaging device,
3 comprising:

4 a first fastener having a side wall, a first block,
5 and a second block, the first and second blocks
6 being respectively connected to the side wall;
7 and

8 a second fastener engaged with the first fastener,
9 wherein the side wall of the first fastener constrains
10 the second fastener in a direction x; the first
11 block constrains the second fastener in a
12 direction y; and the second block constrains
13 the second fastener in a direction z, and x, y,
14 and z directions are substantially
15 perpendicular to each other.

1 2. The engaging device as claimed in claim 1,
2 wherein the second fastener is a flexible hook.

1 3. The engaging device as claimed in claim 2,
2 wherein the first block is wedge-shaped.

1 4. The engaging device as claimed in claim 2,
2 wherein the second fastener includes a body and a
3 connecting portion connected to the body.

1 5. The engaging device as claimed in claim 4,
2 wherein the second fastener is h-shaped.

1 6. The engaging device as claimed in claim 4,
2 wherein the second fastener is U-shaped.

1 7. The engaging device as claimed in claim 4,
2 wherein a hole is formed on the side wall of the first
3 fastener, and the body of the second fastener faces the
4 hole of the first fastener when the first fastener and
5 the second fastener are engaged.

1 8. The engaging device as claimed in claim 1,
2 wherein the second fastener is contained inside the first
3 fastener when the first fastener and the second fastener
4 are engaged.